

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

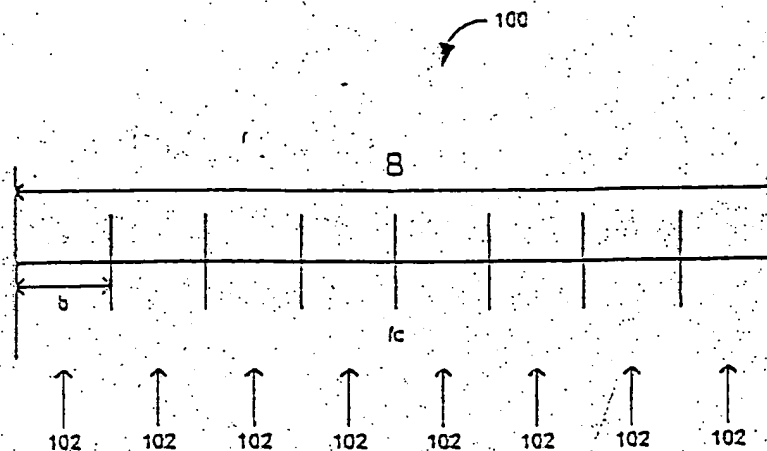


Figure 1

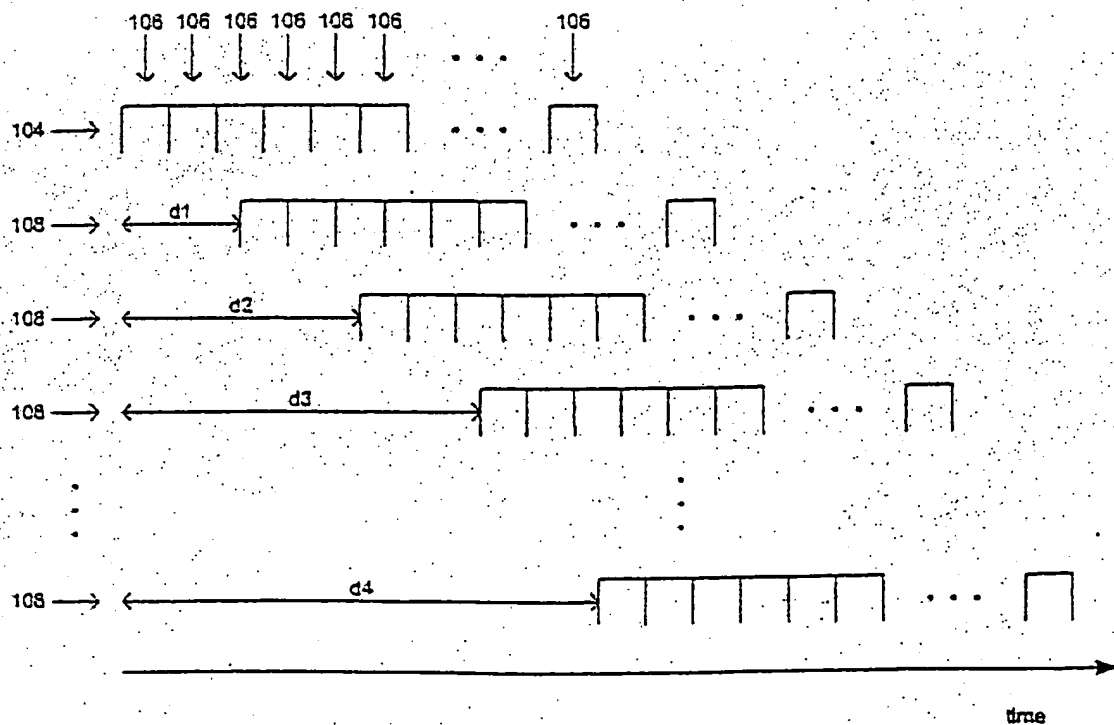


Figure-2

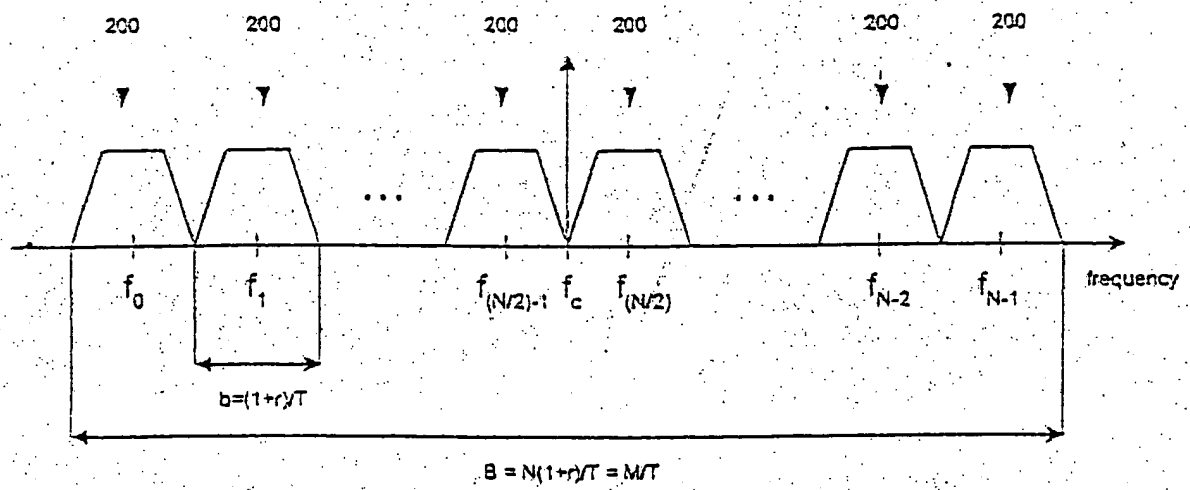


Figure 3

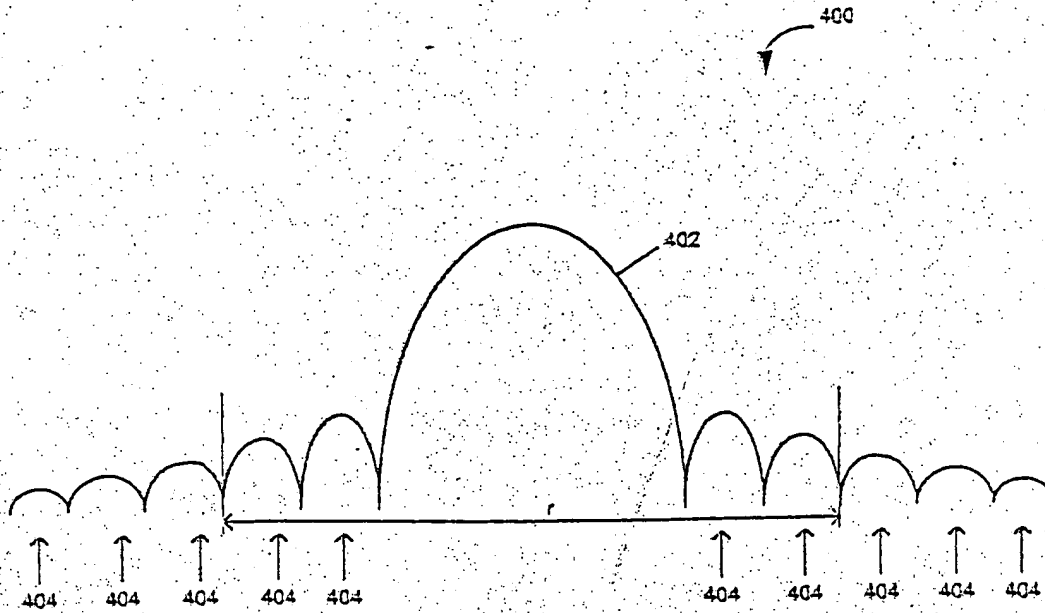


Figure 4

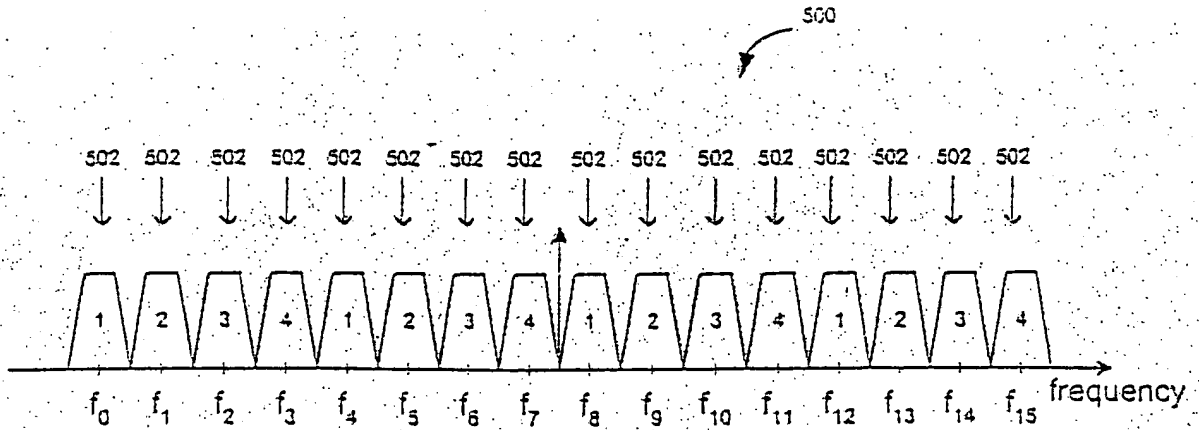


Figure 5A

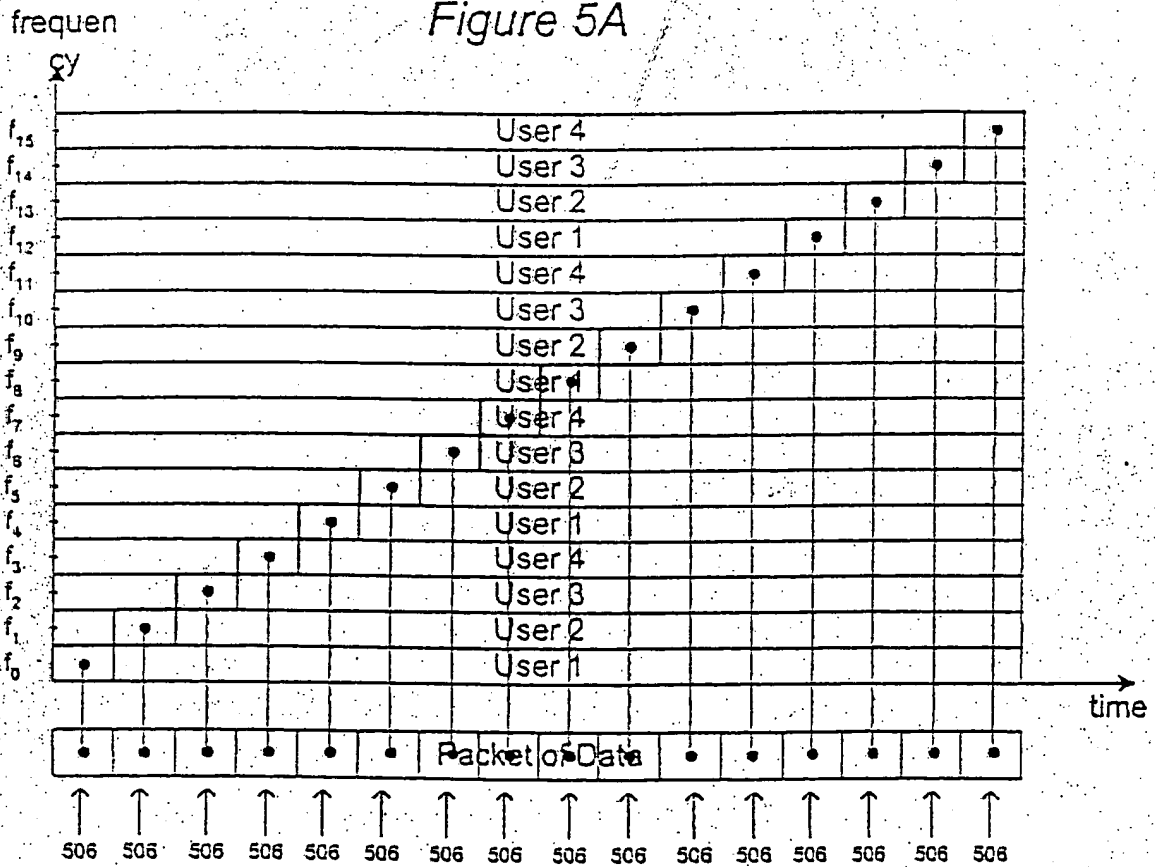


Figure 5B

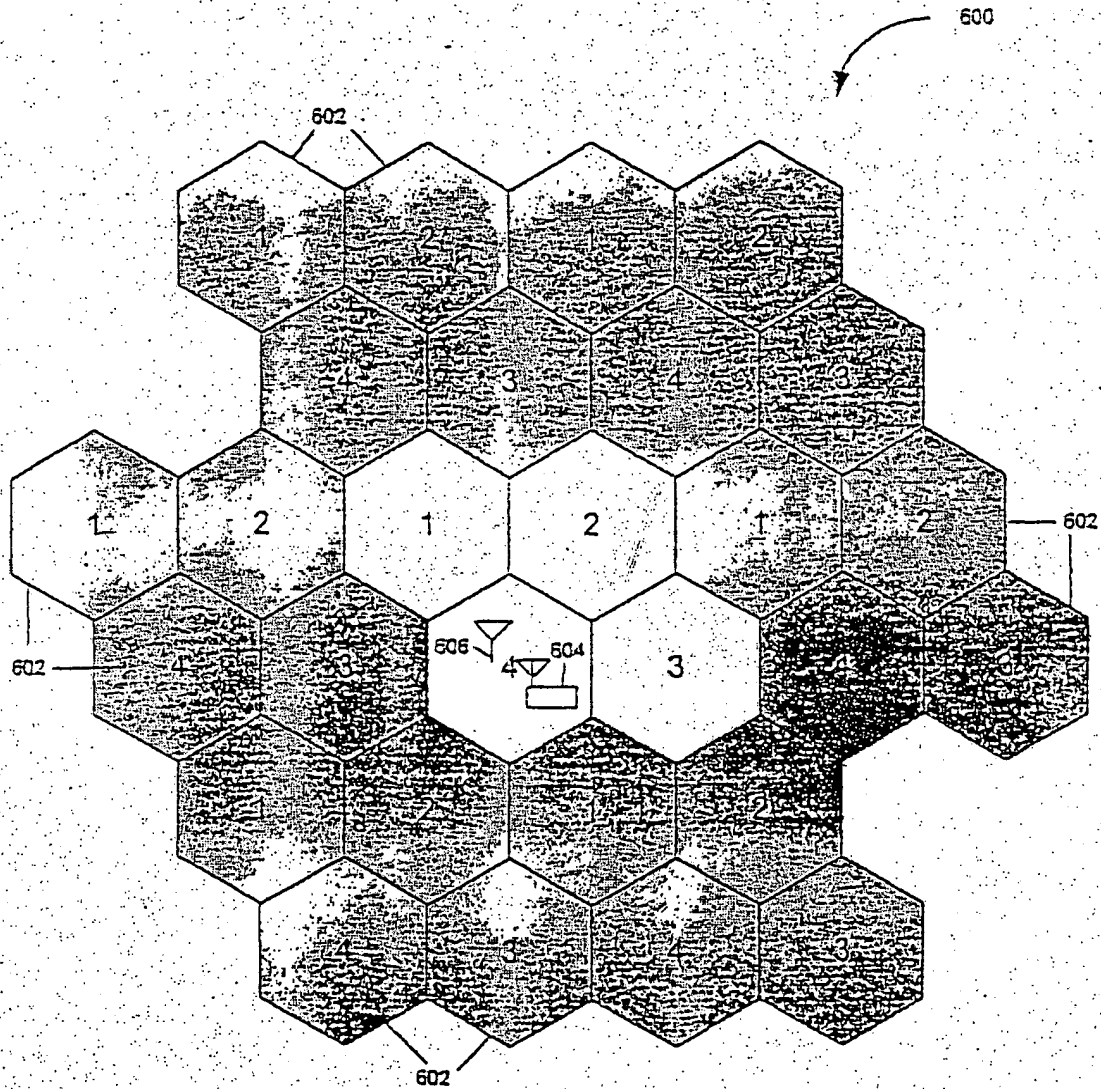


Figure 6

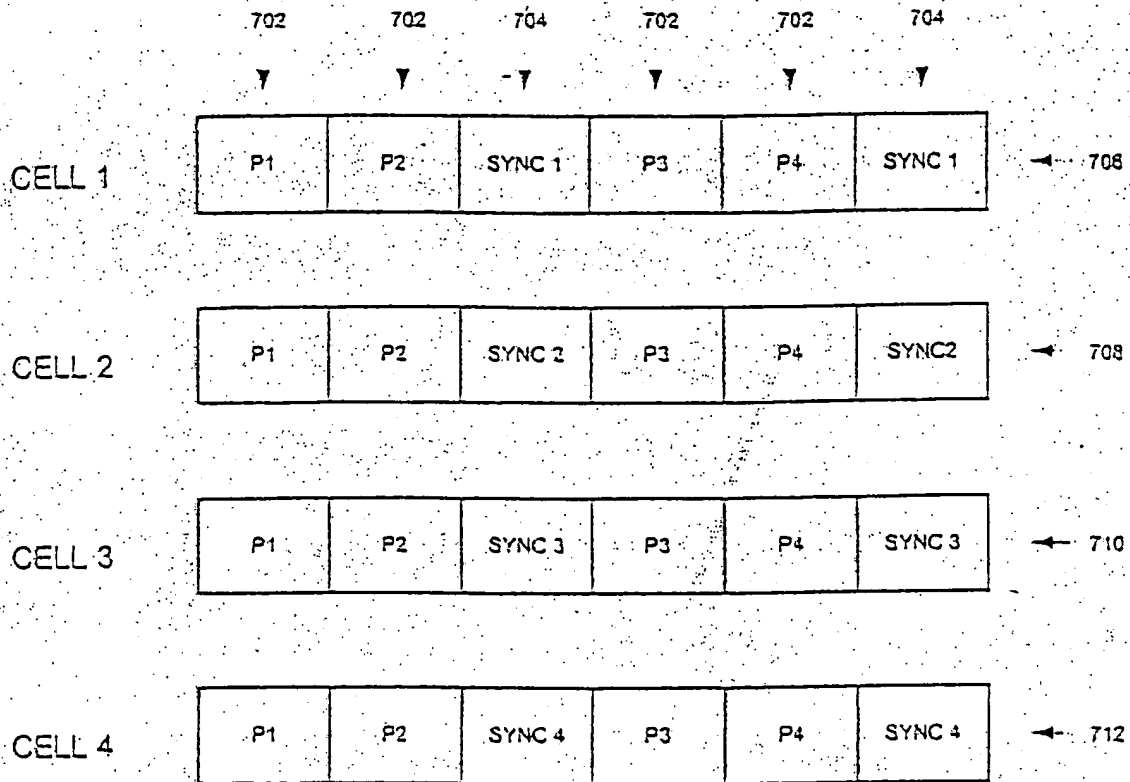


Figure 7

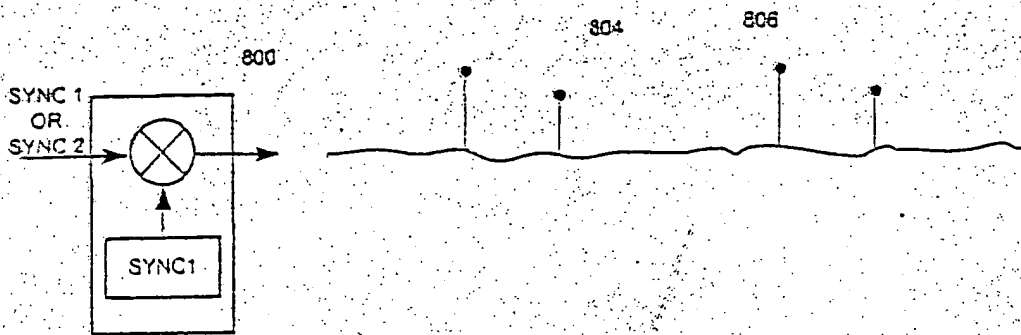


Figure 8

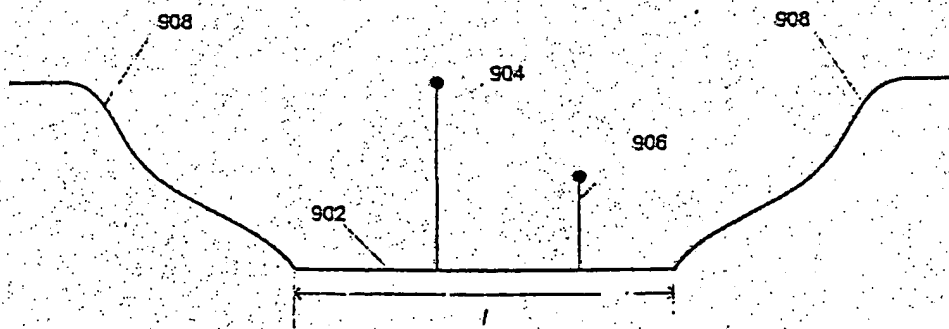


Figure 9



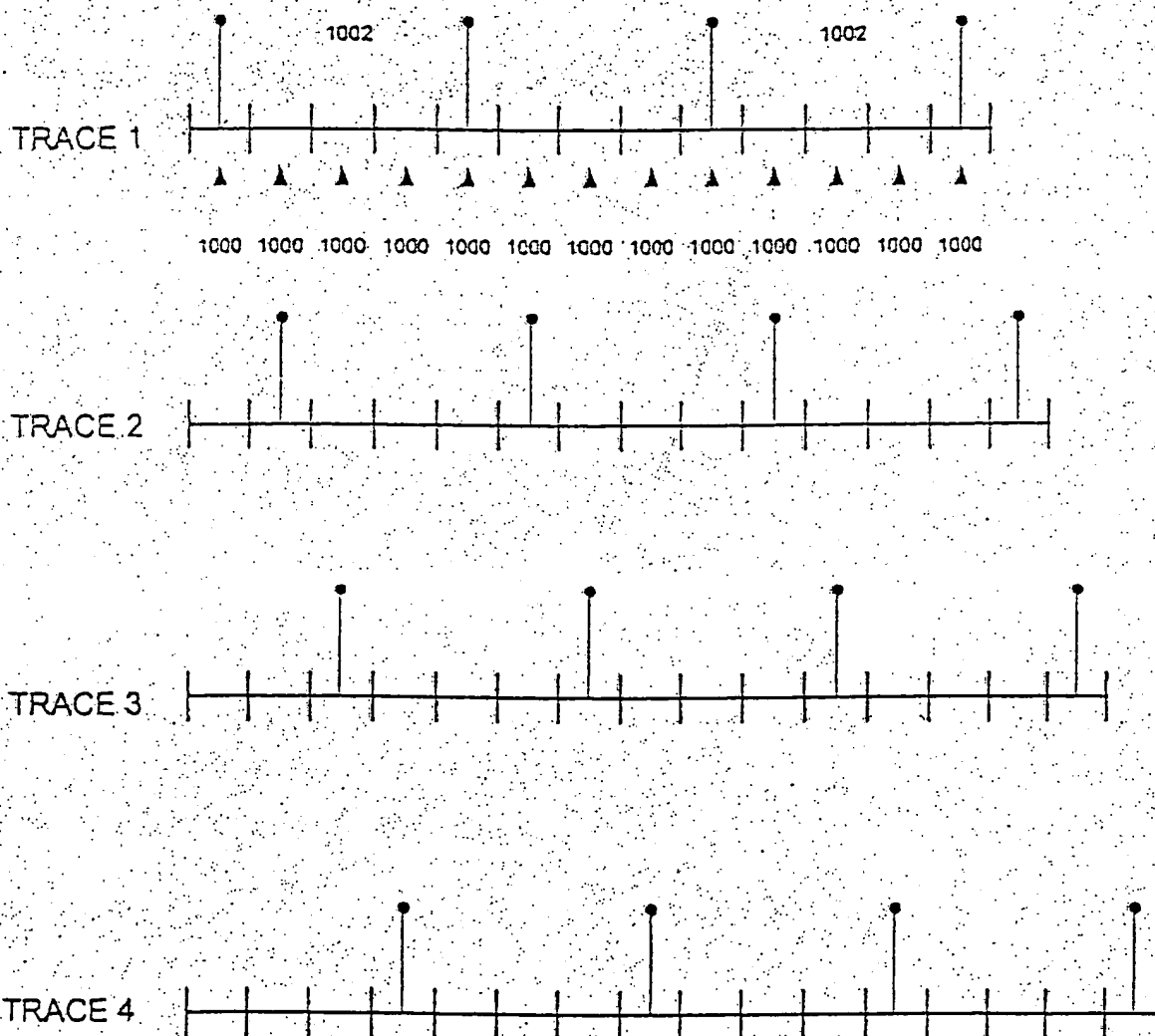


Figure 10

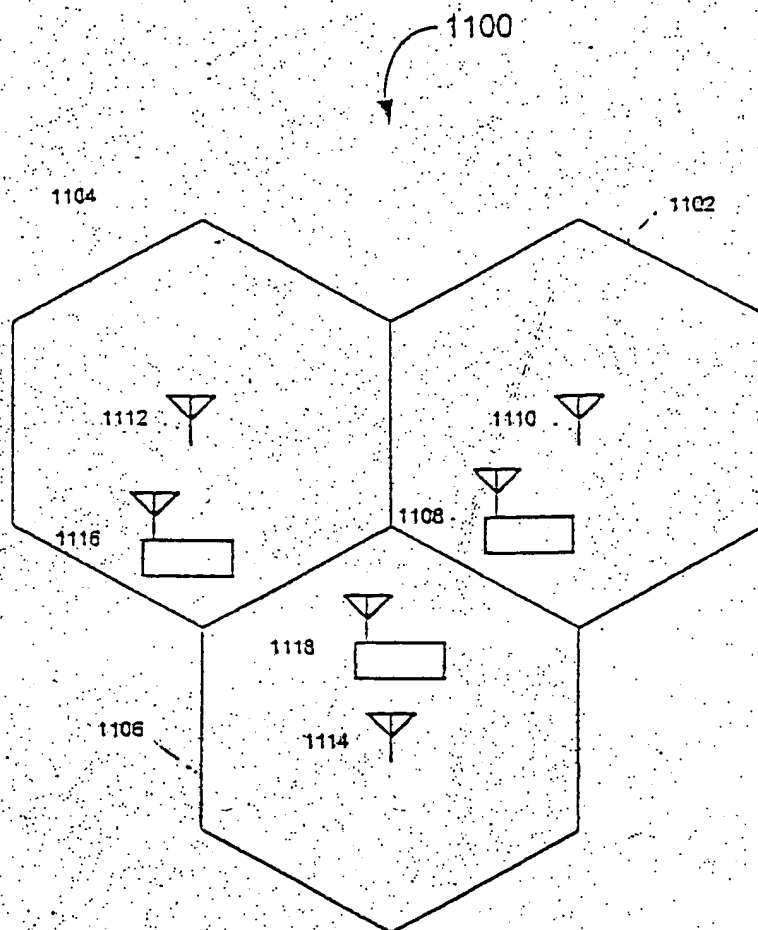


Figure 11

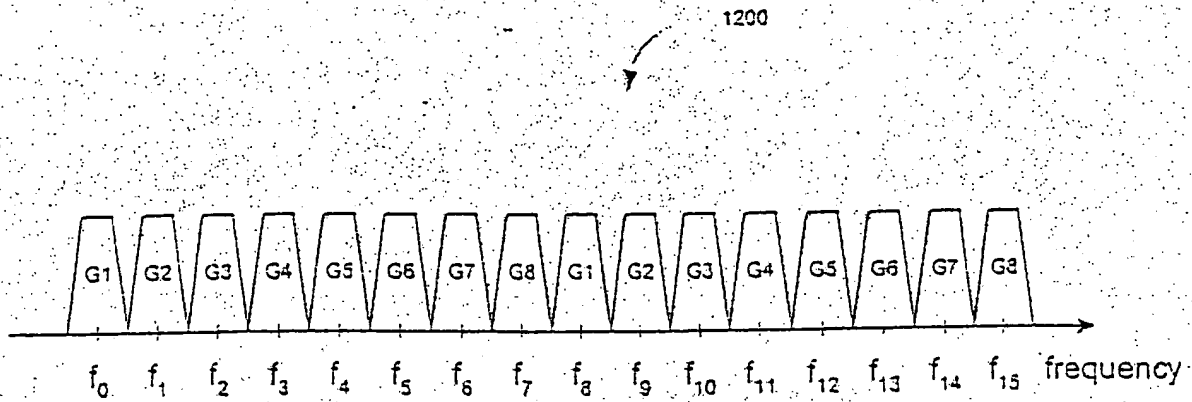


Figure 12A

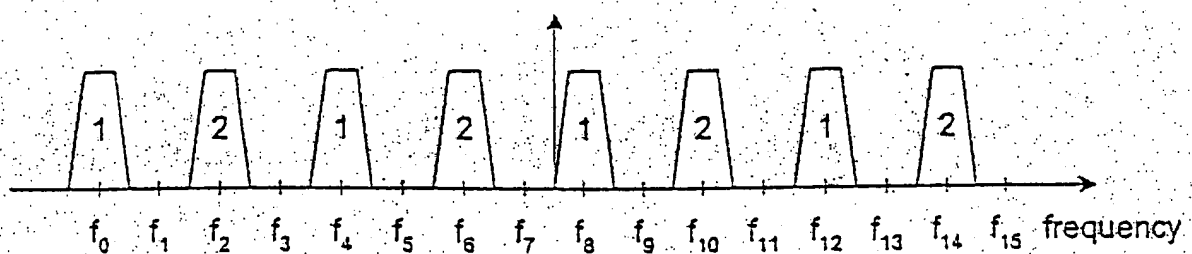


Figure 12B

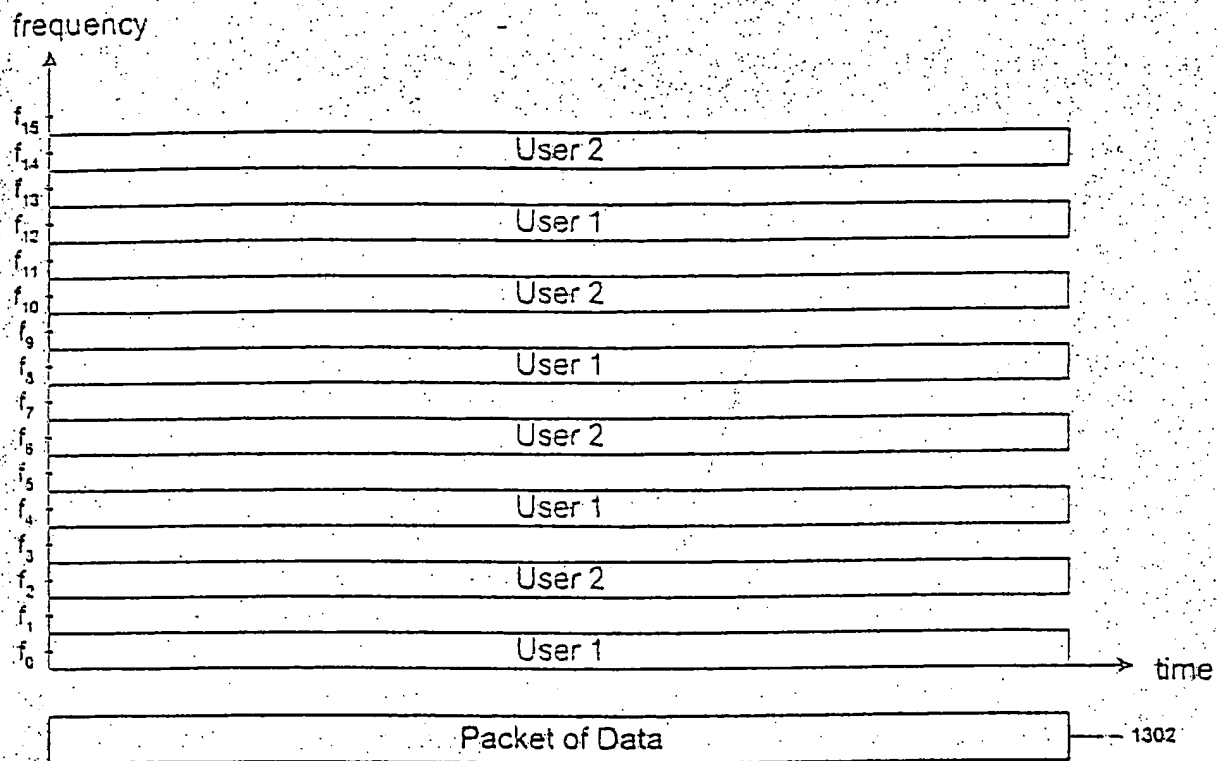


Figure 13

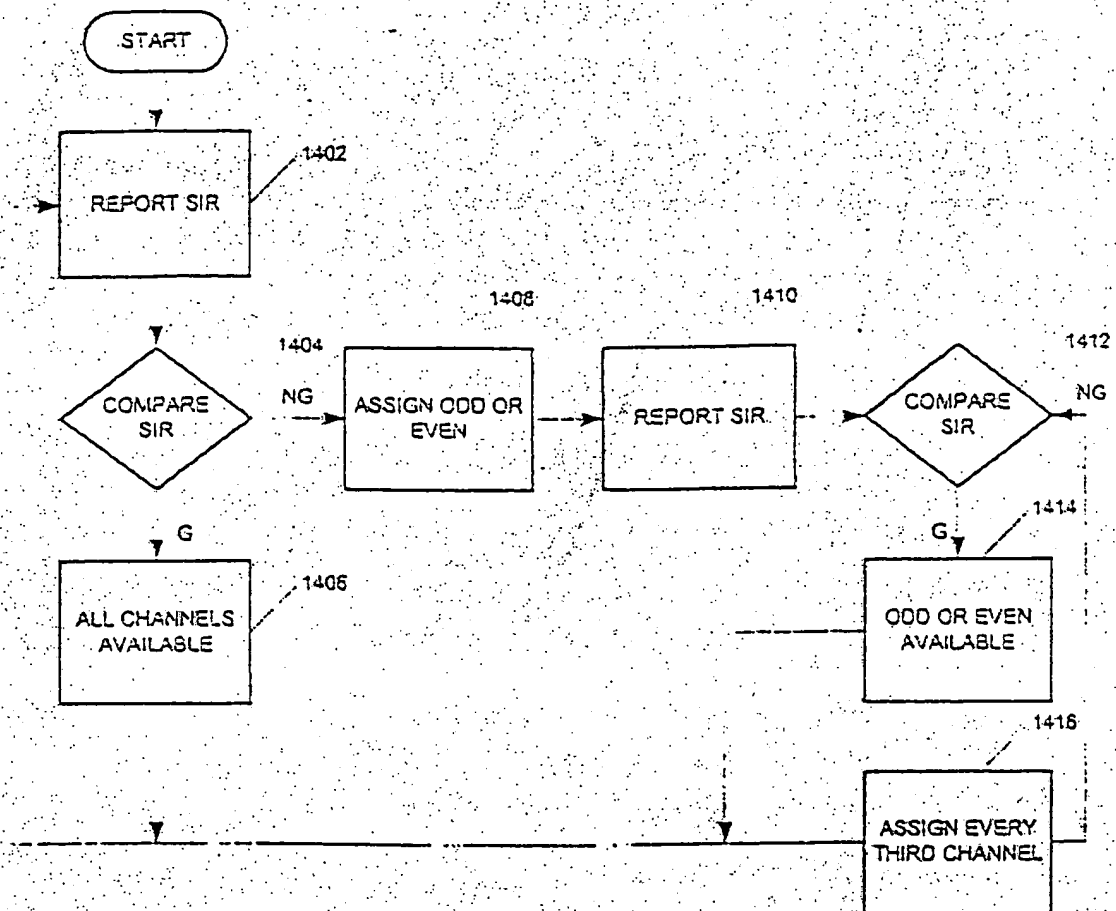


Figure 14

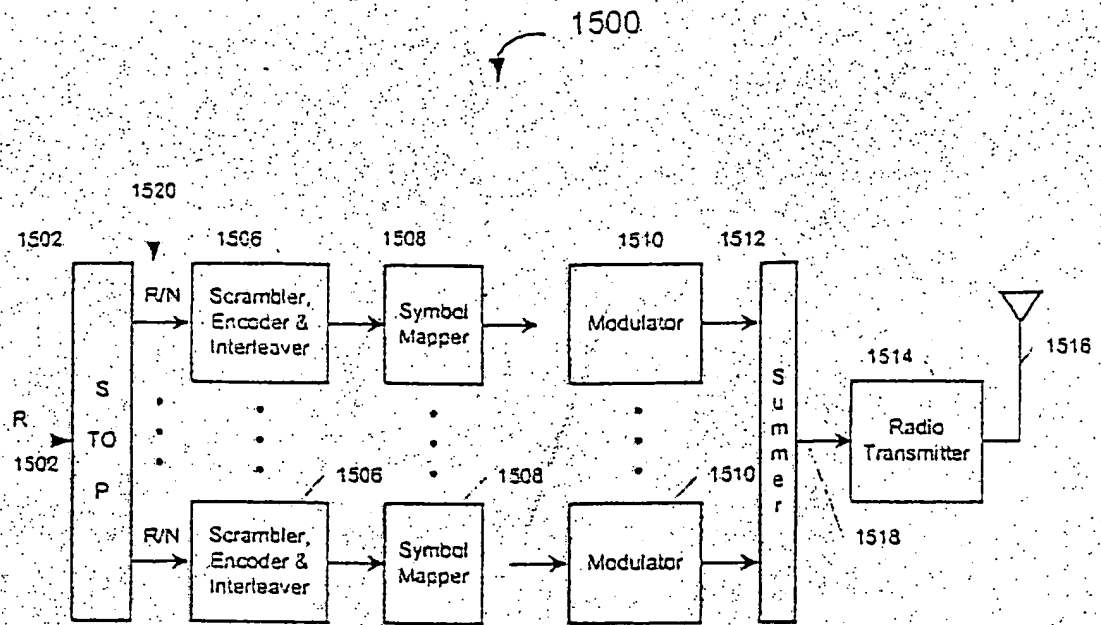


Figure 15

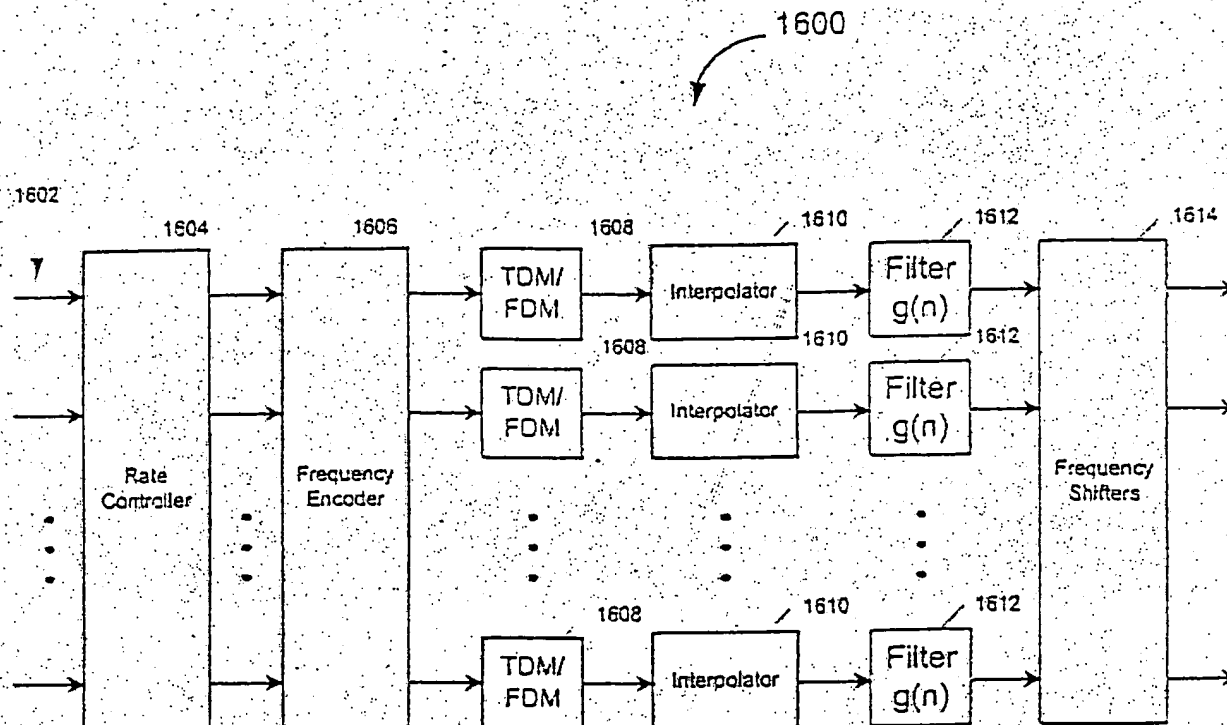


Figure 16

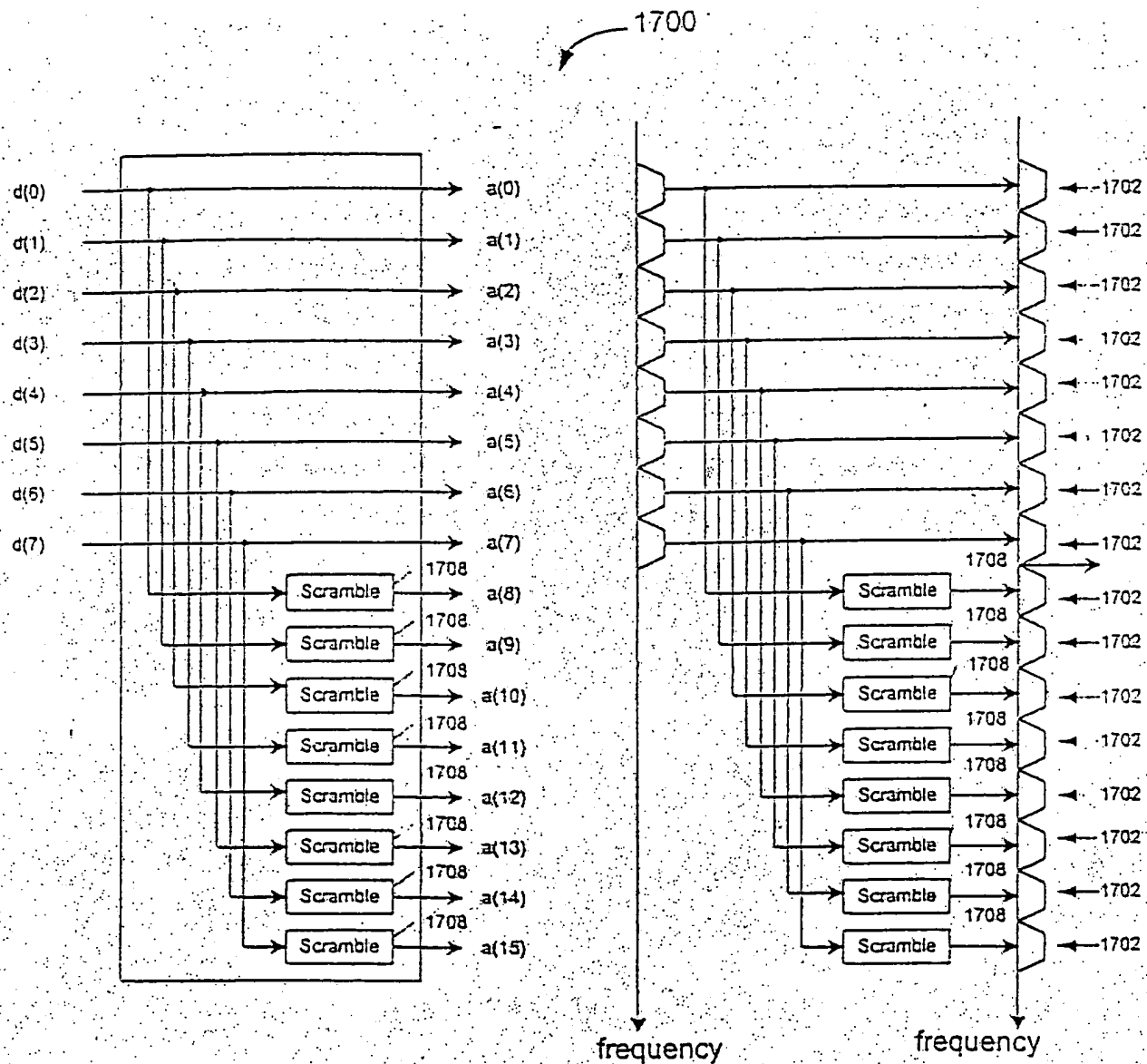


Figure 17



1800

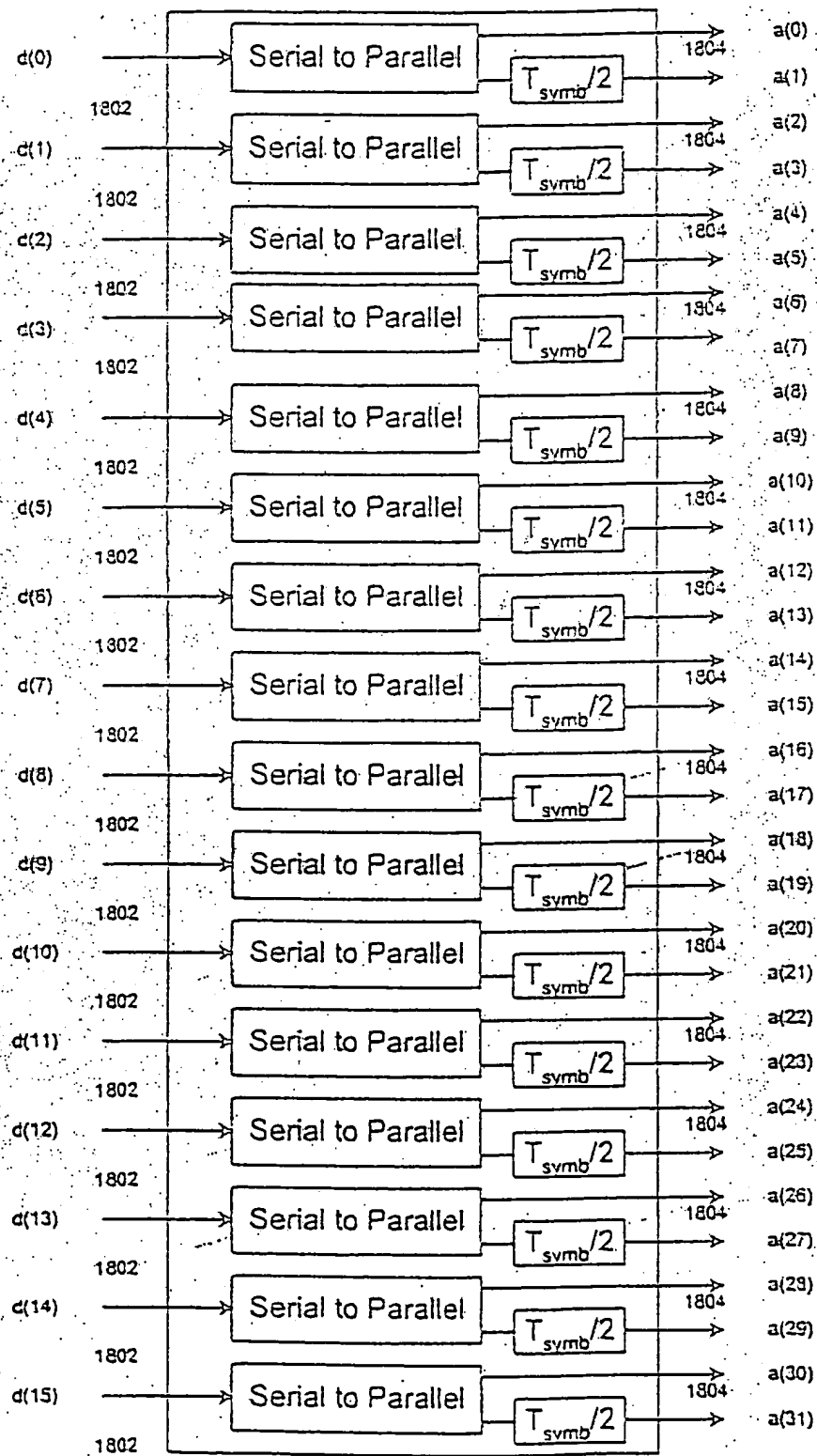
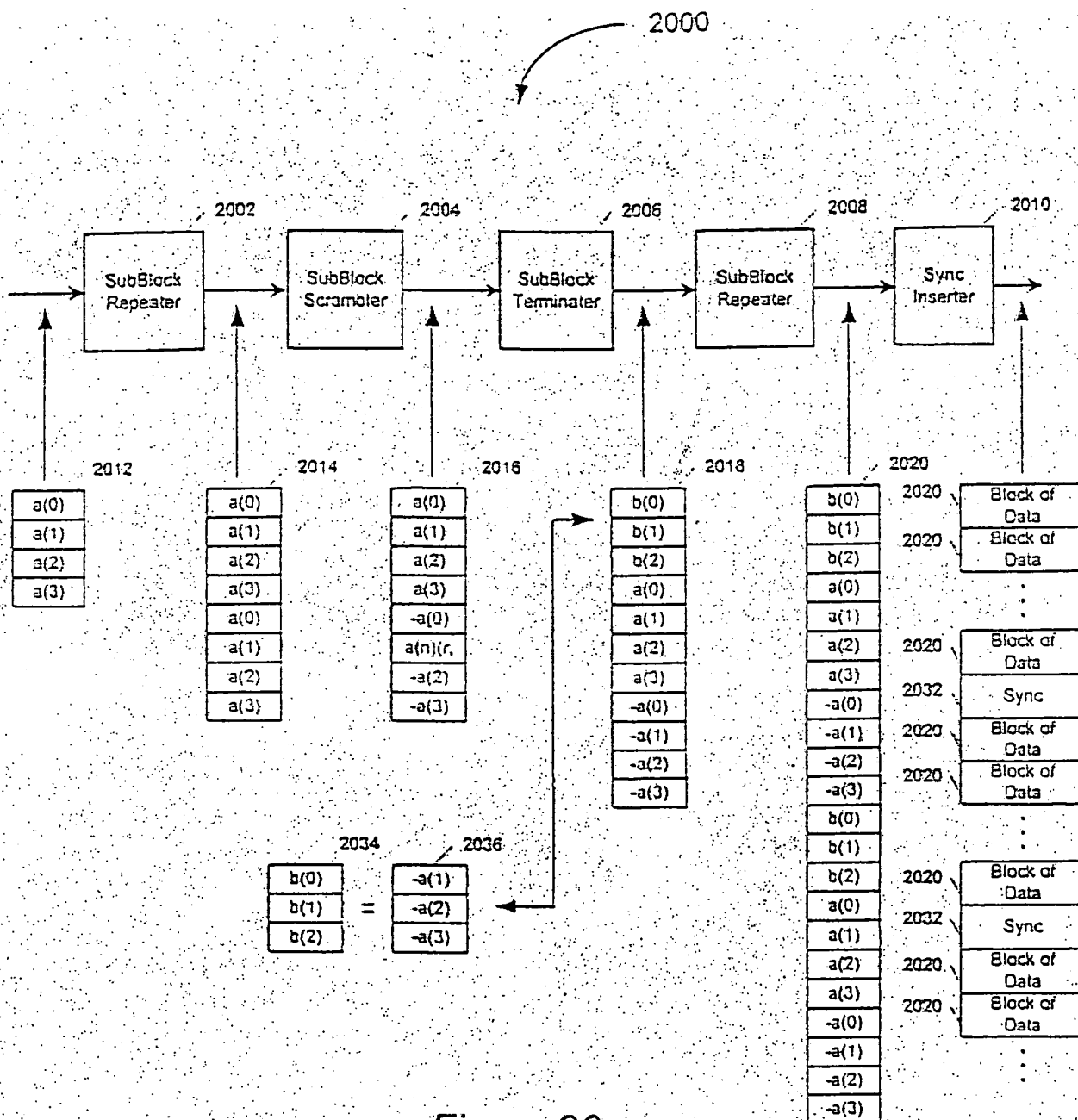
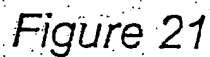


Figure 18







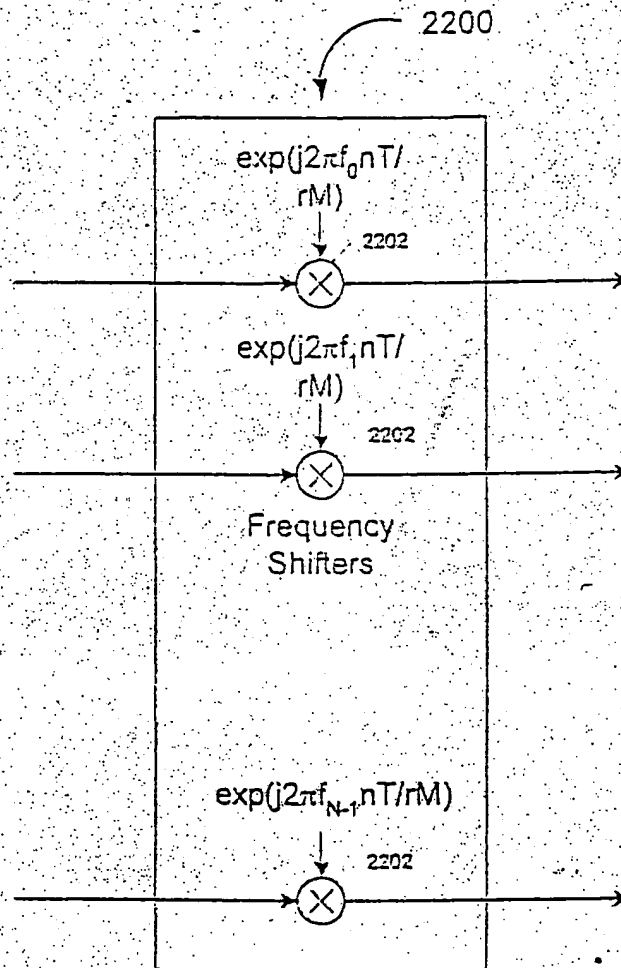


Figure 22

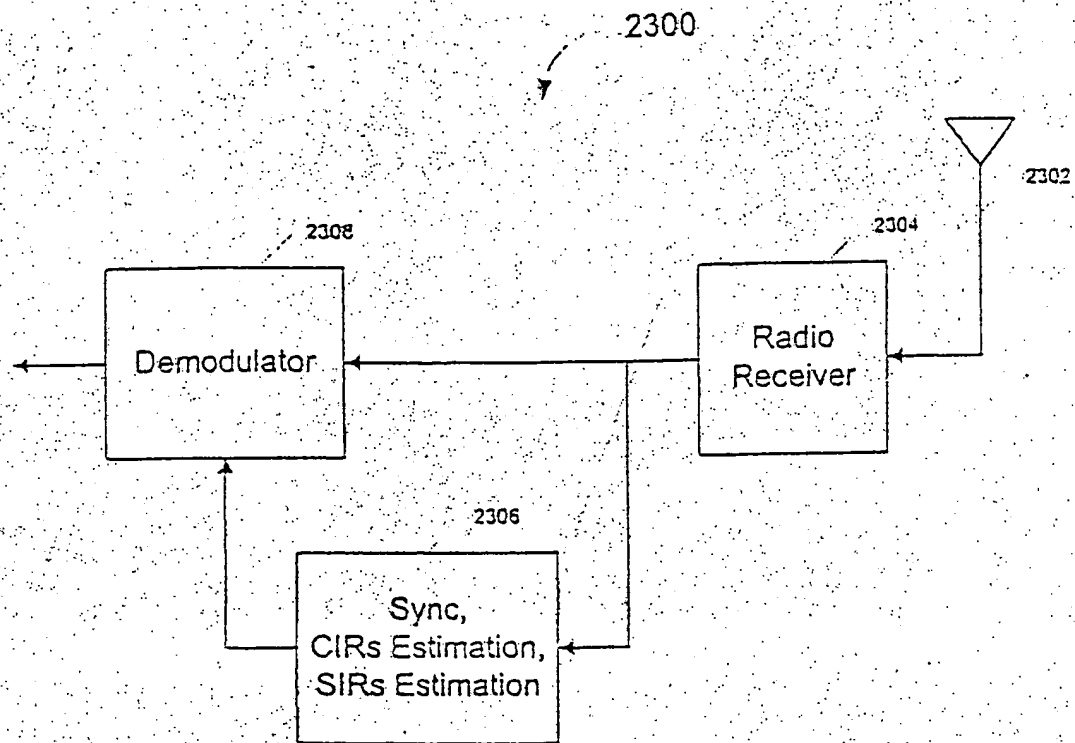


Figure 23

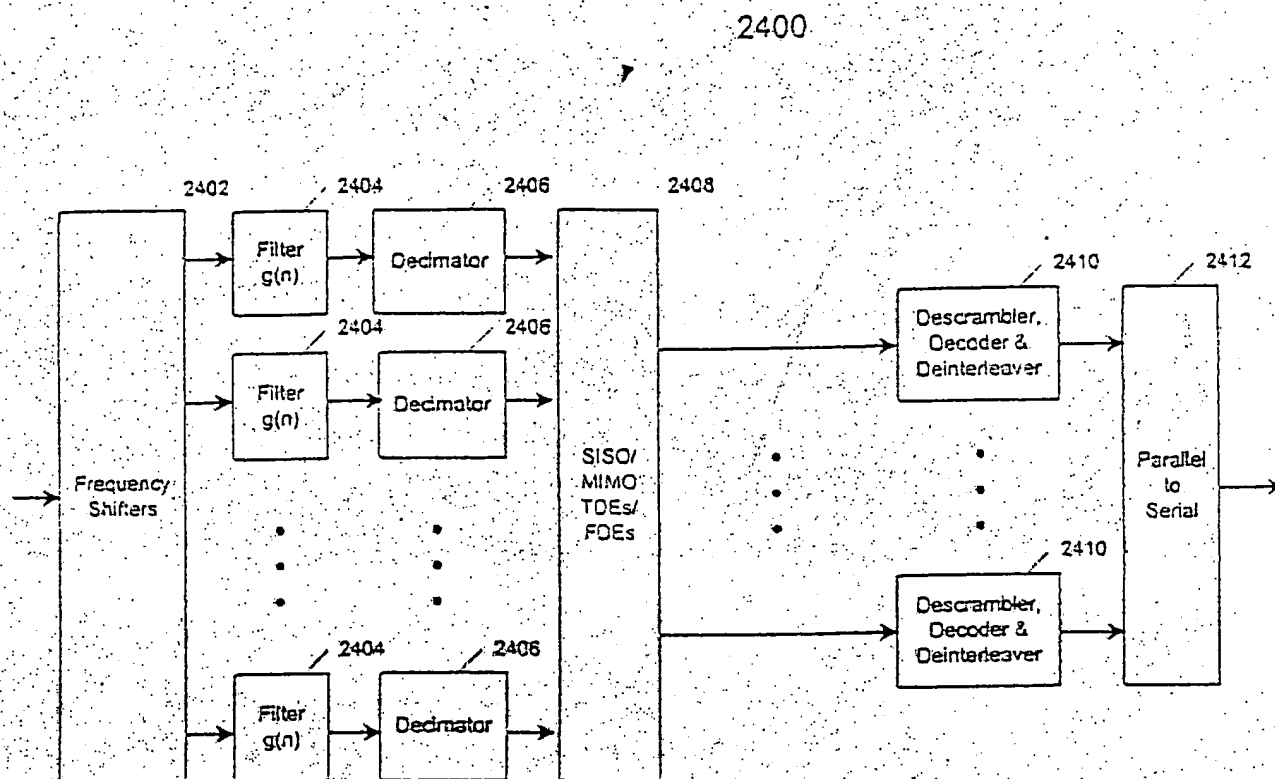


Figure 24

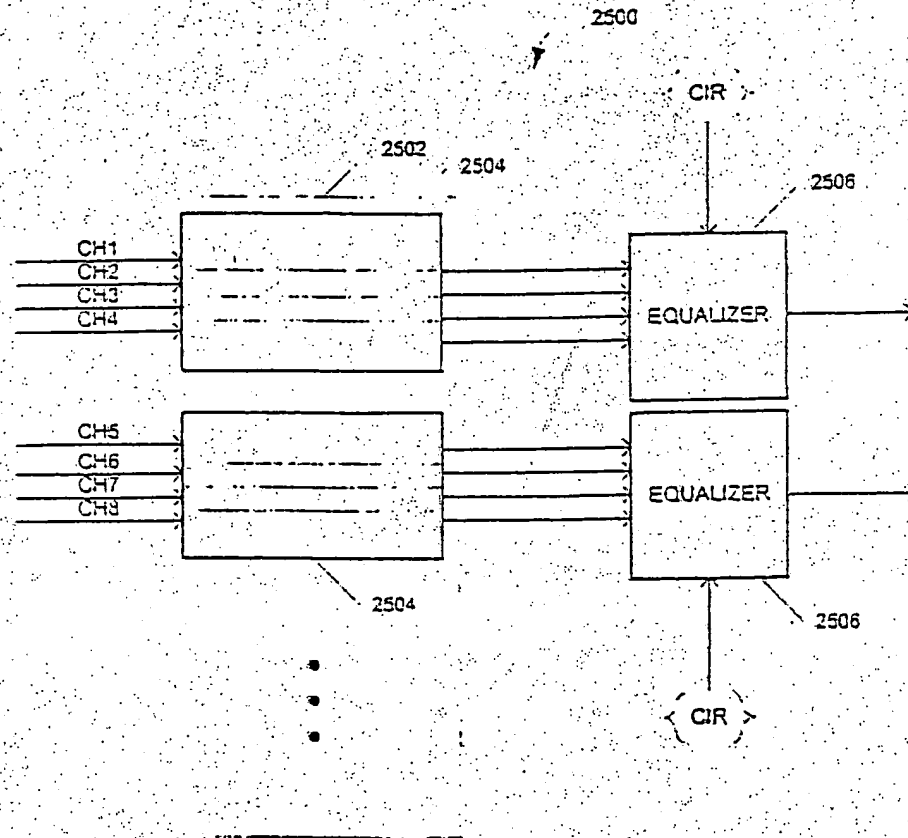


Figure 25



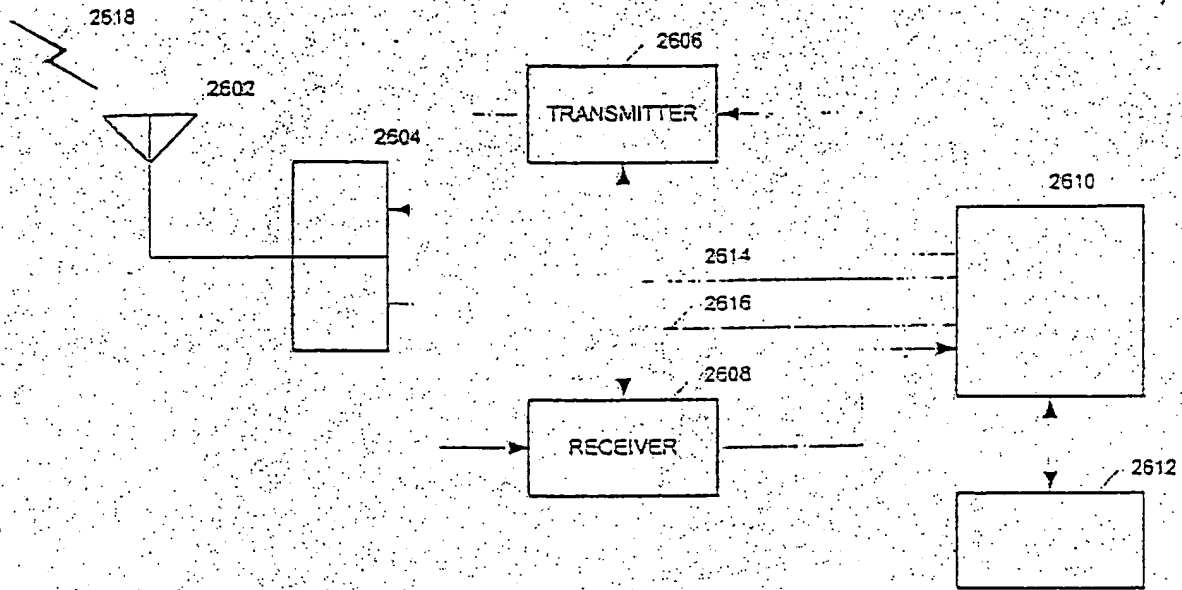


Figure 26

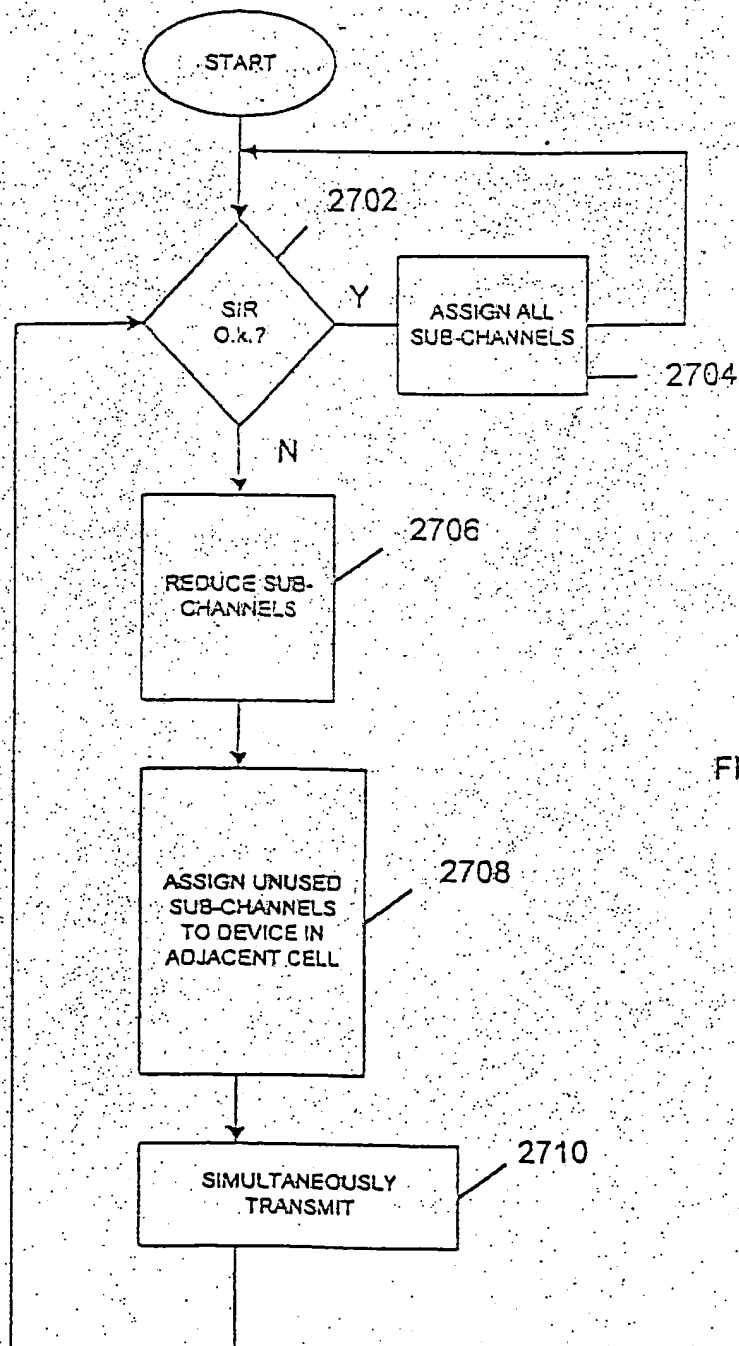


FIGURE 27

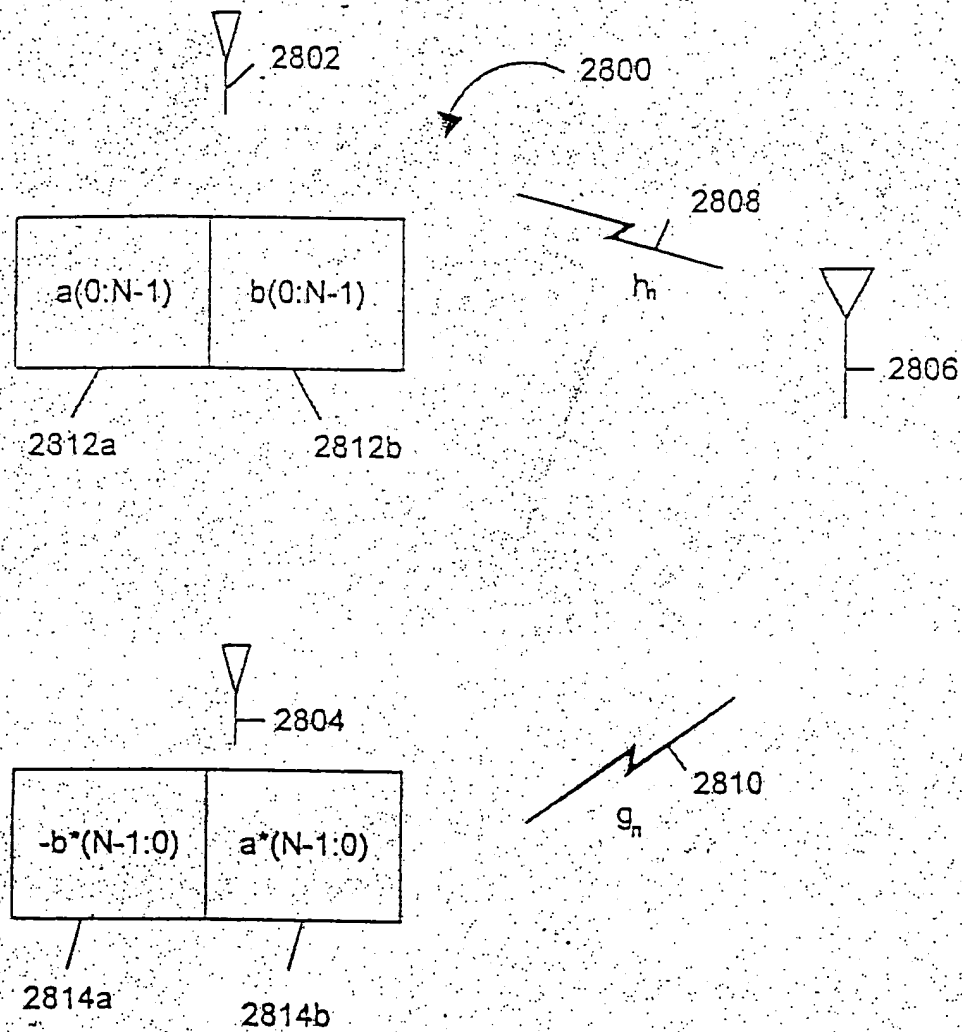
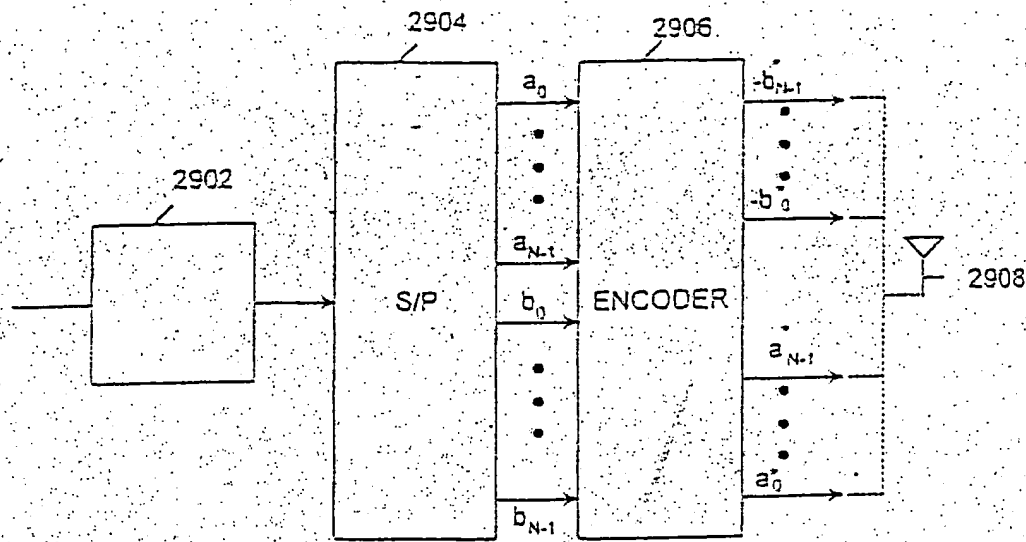
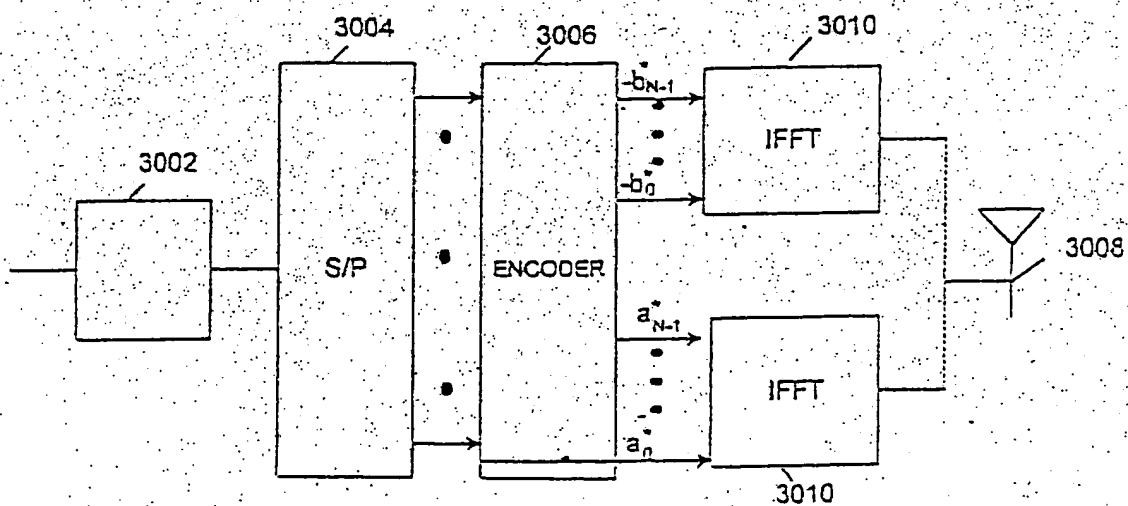


Figure 28



2900 Figure 29



3000 Figure 30

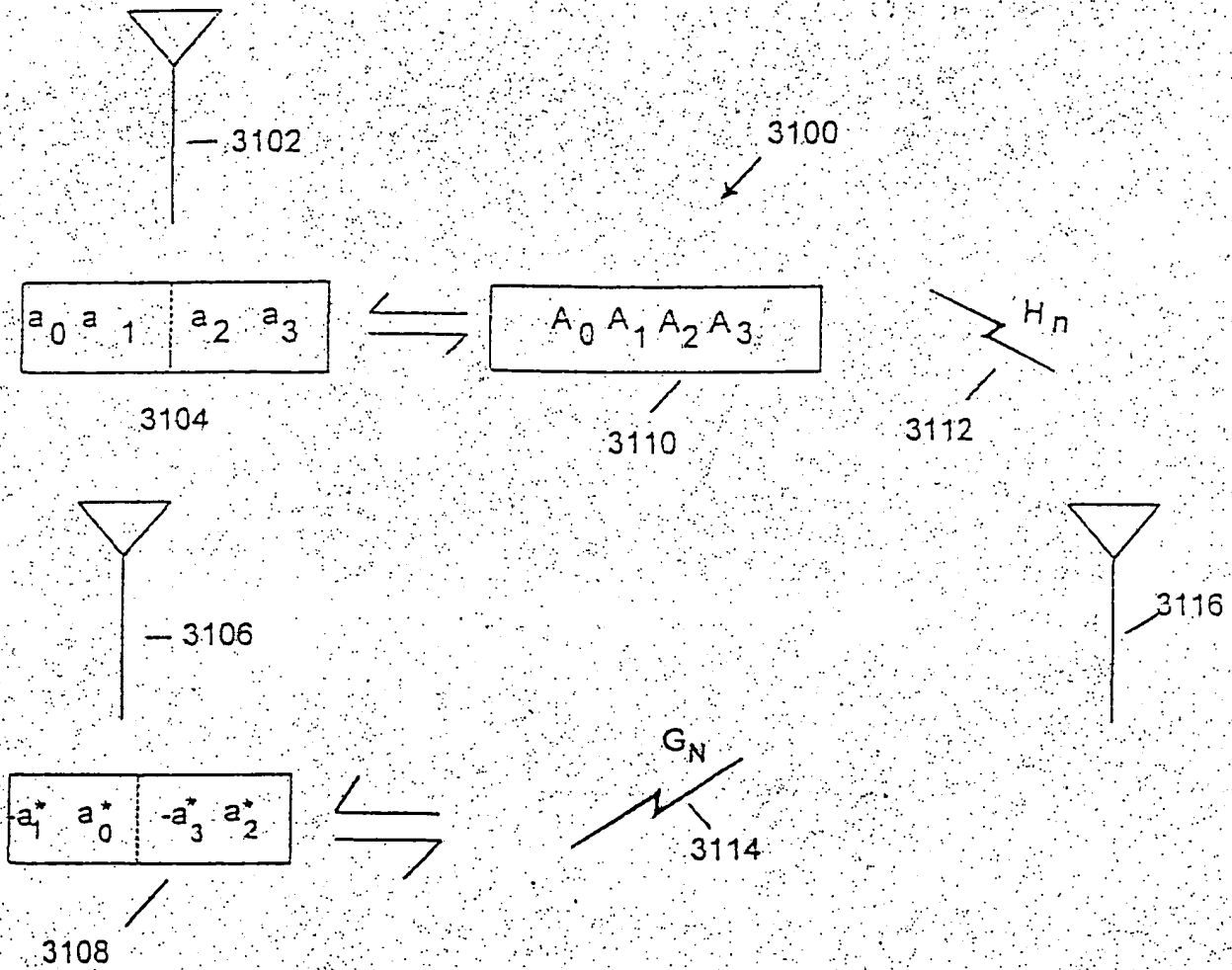


Figure 31

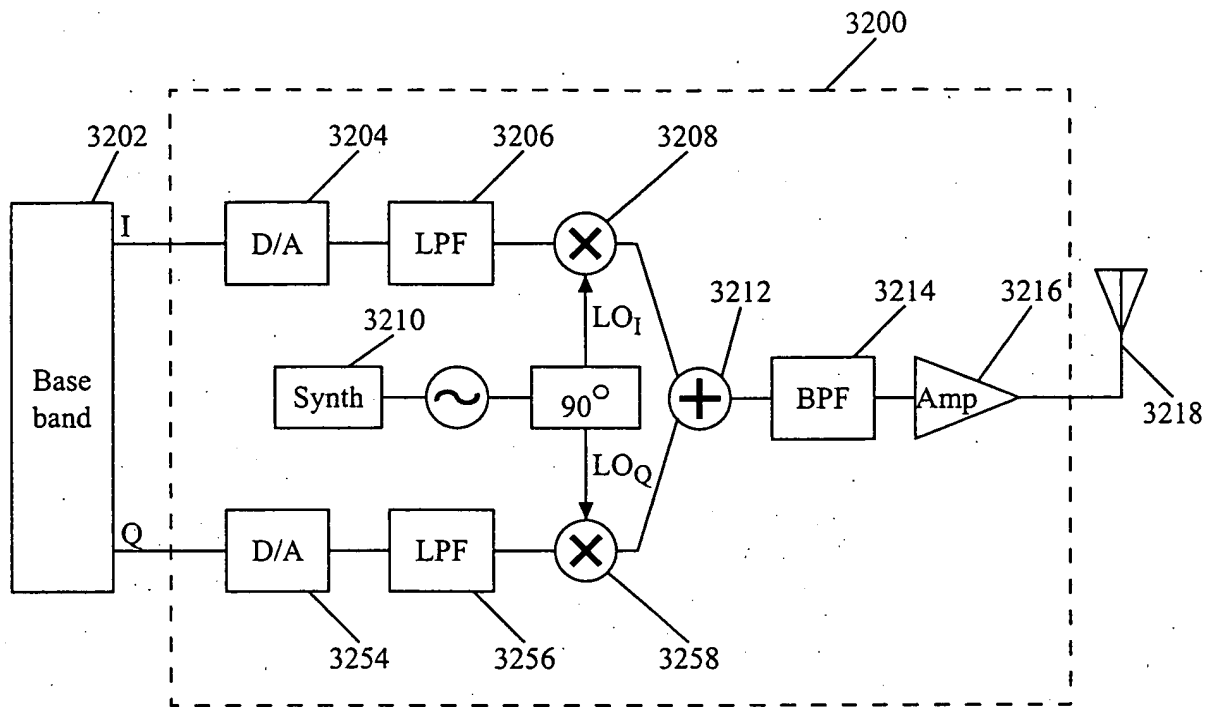


Fig. 32

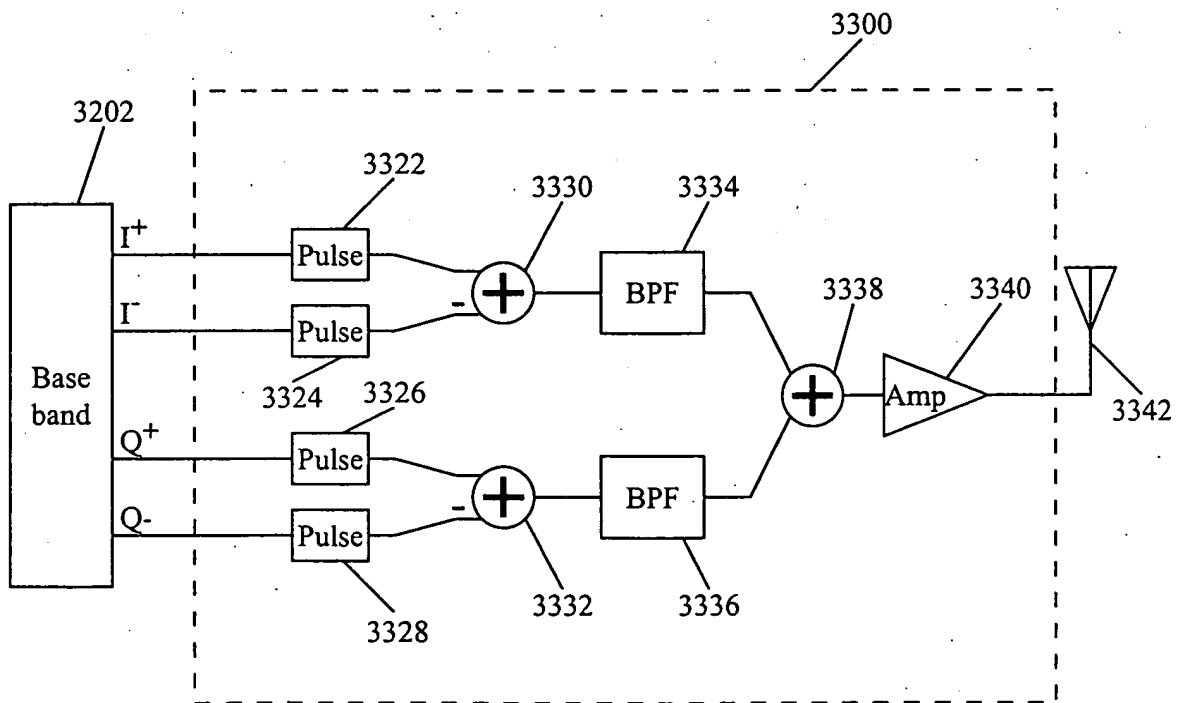
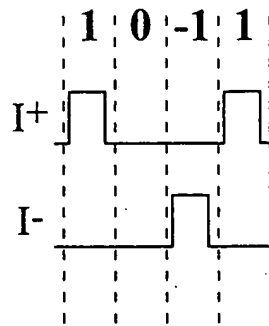
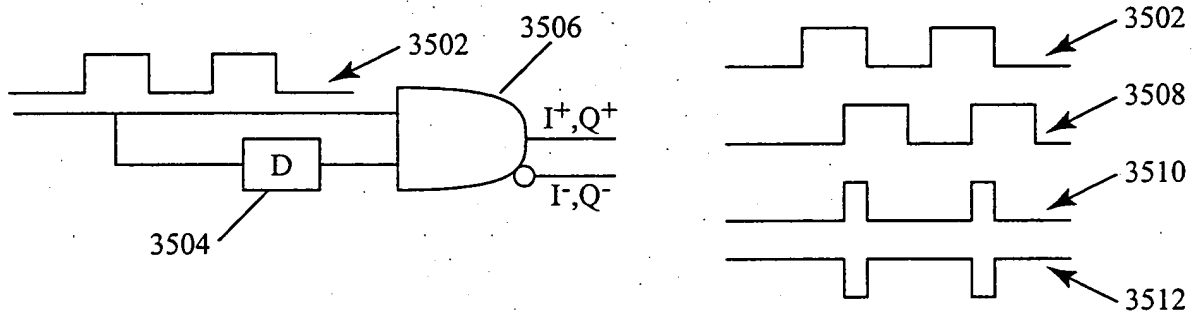


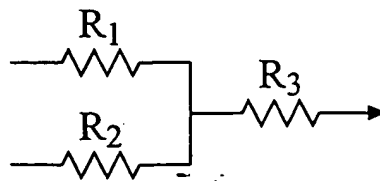
Fig. 33



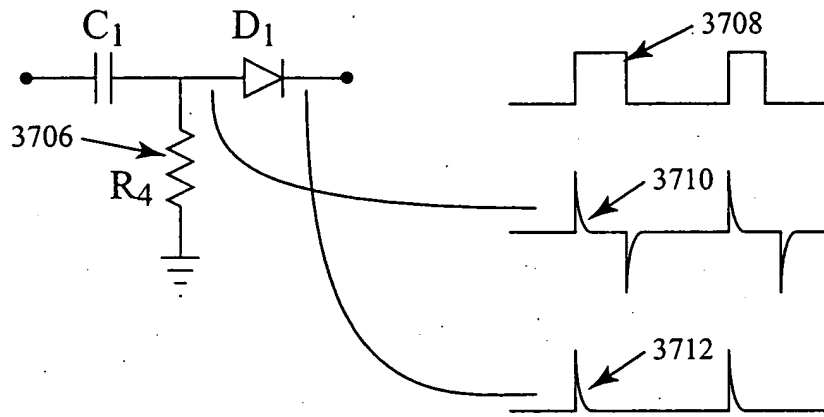
**Fig. 34**



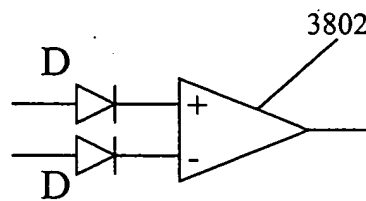
**Fig. 35**



**Fig. 36**



**Fig. 37**



**Fig. 38**



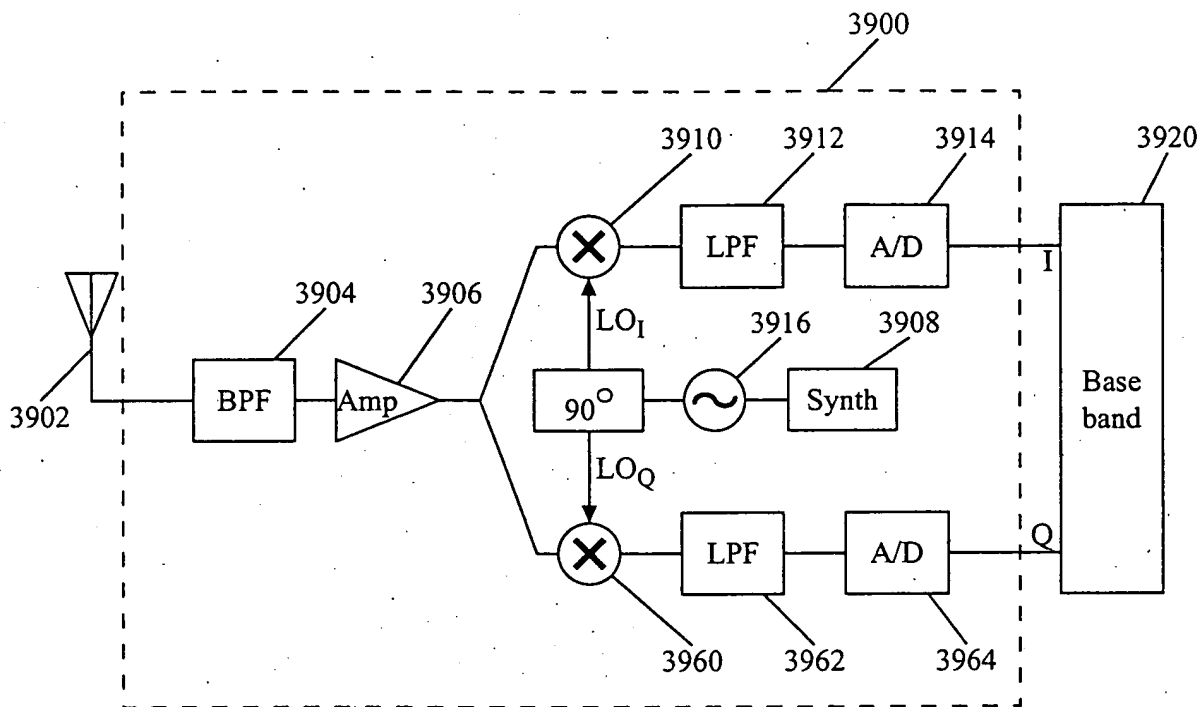


Fig. 39

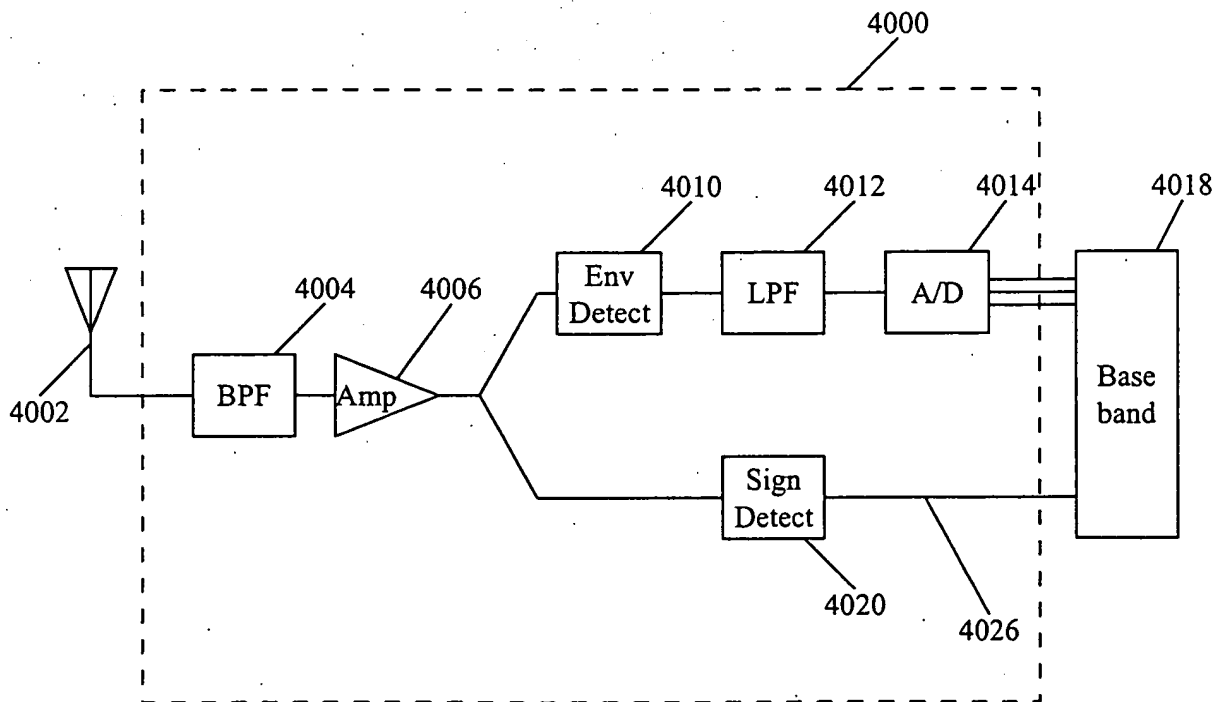


Fig. 40

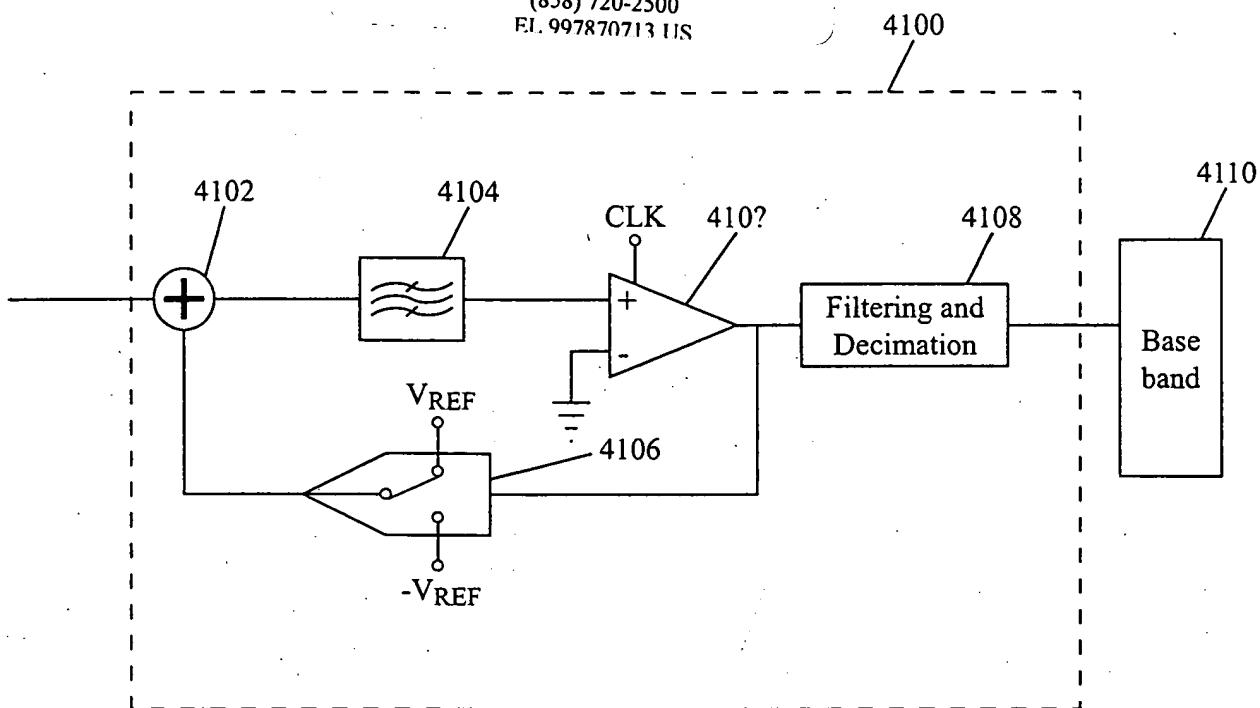


Fig. 41

Sampling Frequency	BPF Order	Over Sampling Factor	Effective No. of Bits
5.33 GHz	0	4	1
5.33 GHz	1	4	2
5.33 GHz	2	4	2.85
8 GHz	0	6	1.3
8 GHz	1	6	3
8 GHz	2	6	4.3
10.666 GHz	0	8	1.5
10.666 GHz	1	8	3.64
10.666 GHz	2	8	5.35

Fig. 42